

LONDON-WEST MIDLANDS ENVIRONMENTAL STATEMENT

Volume 5 | Technical Appendices

CFA₃ Primrose Hill to Kilburn (Camden)

Operational assessment (SV-004-003)

Sound, noise and vibration

November 2013

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High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

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Appendix SV-004-003

| Environmental topic: | Sound, noise and vibration | SV |
|-----------------------|----------------------------|-----|
| Appendix name: | Operation assessment | 004 |
| Community forum area: | Primrose Hill to Kilburn | 003 |

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1 Introduction

1.1 Structure of the sound, noise and vibration appendices

- 1.1.1 The sound, noise and vibration appendices comprise four sections. The first of these details the methodology used (Appendix SV-001-000) and relates to the sound, noise and vibration assessment for all community forum areas (CFA).
- 1.1.2 For the Primrose Hill to Kilburn community forum area (CFAo₃), the other three sections are as follows:
 - baseline sound, noise and vibration (Appendix SV-002-003);
 - construction sound, noise and vibration (Appendix SV-003-003); and
 - operational sound, noise and vibration (Appendix SV-004-003) (this appendix).
- 1.1.3 The outcomes of this assessment are summarised in Volume 2: CFAo3 Report, Chapter 11 Sound, Noise and Vibration.
- 1.1.4 Maps referred to throughout the sound, noise and vibration appendices are contained in the Volume 5 sound, noise and vibration map book.
- 1.1.5 This appendix presents the likely noise and vibration impacts, effects and significant effects arising from the operation of the Proposed Scheme for the Primrose Hill to Kilburn area on:
 - people, primarily where they live ('residential receptors') in terms a) individual dwellings and b) on a wider community basis, including any shared community spaces; and
 - community facilities such as schools, hospitals, places of worship, and also commercial
 properties such as offices and hotels, collectively described as 'non-residential receptors'
 and 'quiet areas'.
- 1.1.6 The assessment of likely impacts, effects and significant effects from operational noise and vibration on agricultural, community, ecological or heritage receptors and the assessment of tranquillity are presented in the following documents within Volume 5:

Agriculture, forestry and soils Appendix AG-001-003
 Community Appendix CM-001-003
 Ecology Appendix EC-005-001
 Heritage Appendix CH-003-003
 Landscape and Visual Appendix LV-001-003

1.2 Evaluation of impacts and effects

This appendix provides a quantitative assessment of operational noise and vibration impacts and effects and a qualitative assessment of likely significant effects, based on the impacts and effects identified and other local context information consistent with the scope and methodology defined for the Proposed Scheme.

- 1.2.2 Indirect effects arising from permanent changes in traffic patterns on the existing road and rail networks as a consequence of the Proposed Scheme are also reported in this appendix, where they would occur within the study area as defined in Volume 5: Appendix SV-001-000.
- 1.2.3 Route-wide impacts, effects and significant effects associated with noise or vibration from the operation of the Proposed Scheme are reported in Volume 3.
- 1.2.4 Off-route effects of noise or vibration arising from the operation of the Proposed Scheme, including those likely to arise from permanent changes in traffic patterns on roads or railways outside of the study area for direct effects are reported in Volume 4.
- In undertaking the assessment of sound, noise and vibration, consistent with EIA Regulations and emerging National Planning Practice Guidance¹ a differentiation between impacts effects, adverse effects and significant effects is made. Further information is provided in Volume 5: Appendix SV001-000.
- 1.2.6 The assessment of impacts has been undertaken at assessment locations that are representative of a number of dwellings or other sensitive receptors. The Assessment Locations employed in this assessment are presented on map series Sv-o2 in the CFAo3 Volume 5 sound, noise and vibration map book.

¹ National Planning Practice Guidance – Noise http://planningguidance.planningportal.gov.uk; refer to the table summarising noise exposure hierarchy

2 Scope, assumptions and limitations

2.1 Regional and local policy guidance

- The policy framework for sound, noise and vibration is set out in Volume 1 and in Appendix SV-001-000. As part of the engagement with local authorities through the Planning Forum Sub Group (Acoustics) information regarding any specific local planning guidance in respect of noise and vibration has been requested. Whilst no information has been received for this study area via the Planning Forum Sub Group (Acoustics) the following local policy guidance on noise and vibration has been identified:
 - London Borough of Camden Development Policy DP28 Noise and vibration;
 - London Borough of Camden Replacement Unitary Development Plan Adopted June 2006;
 - City of Westminster Core Strategy Local Development Framework Adopted January 2011; and
 - City of Westminster Unitary Development Plan Adopted January 2007.
- 2.1.2 This guidance has been considered as part of formulating the detailed application of the impact and significance criteria set out in Volume 5: Appendix SV-001-000.

2.2 Engagement

- 2.2.1 Details of engagement on a route-wide basis with the local and county authorities'
 Environmental Health Practitioners via the Planning Forum Sub Group Acoustics, is set out in Volume 1.
- 2.2.2 Engagement with communities has been via the Community Forums, as set out in Volume 1. In respect of sound, noise and vibration the following discussions have taken place:
 - general discussions in respect of local issues, including possible ways to avoid and mitigate the potential impacts of noise or vibration
 - September / October 2012; a specific presentation about sound, noise and vibration with discussion afterwards with one of the project team specialists;
 - November / December 2012; specific request for the Community Forum to propose baseline sound monitoring locations;
 - January / February 2013; feedback to the Community Forum on any proposed baseline monitoring locations; and
 - verbal / written response to questions on sound, noise and vibration.

2.3 Methodology

2.3.1 The methodology used for the assessment of airborne sound, ground-borne sound and vibration impacts and the determination of significant effects is defined in the Scope and Methodology Report (SMR) (Volume 5: Appendix CT-001-000/1), is clarified in a number of areas by the SMR addendum (Volume 5: Appendix CT-001-000/2). Further information is contained in Volume 5: Appendix SV-001-000.

2.4 Assumptions

2.4.1 Route-wide assumptions are outlined in Volume 1, Section 8, and are further detailed in Volume 5: Appendix SV-001-000. Local assumptions that apply to the assessment of operational sound noise and vibration within this CFA are set out in Volume 2: Report 03.

2.5 Local limitations

2.5.1 None.

3 Environmental baseline

3.1 Existing baseline

3.1.1 Details of the baseline data collection and the methodology are given in Appendix SV-oo1-ooo and specifically for this study area in Appendix SV-oo2-oo3. The majority of receptors adjacent to the line of the route are not currently subject to appreciable vibration and therefore vibration at all receptors has been assessed using the absolute vibration criteria as described in Volume 5: Appendix SV-oo1-ooo.

3.2 Future baseline

The operational sound, noise and vibration assessment assumes a baseline year of 2026.
The approach to scaling the baseline from the survey year to 2026 is presented in
Appendix SV-001-000 and specifically for this CFA in Appendix SV-002-003.

4 Effects arising during operation

4.1 Introduction

- 4.1.1 The assessment is reported first for ground-borne sound and vibration and then for airborne sound. Under each of these headings, the results of the quantitative identification of impacts and effects are presented. This is followed by the identification of significant effects and the evidence used to support these conclusions.
- 4.1.2 The structure of this assessment report is:
 - Avoidance and mitigation measures
 - Quantitative identification of impact and effects
 - Ground-borne sound and vibration
 - Residential
 - Non-residential
 - Assessment of impacts and effects
 - Residential receptors: direct effects dwellings
 - Residential receptors: direct effects communities
 - Residential receptors: indirect effects
 - Non-residential receptors: direct effects
 - Non-residential receptors: indirect effects
 - Cumulative effects from the proposed scheme and other committed development.

4.2 Avoidance and mitigation measures

4.2.1 These are set out in Volume 2: Report 03.

4.3 Quantitative identification of impacts and effects

Ground-borne noise and vibration

- 4.3.1 Assessment locations defined for the quantitative assessment of impacts are shown on map series SV-02 in the CFA03 Volume 5 sound, noise and vibration map book.
- 4.3.2 For each Assessment Location, the assessment results for residential and non-residential receptors are presented in Table 1. Explanation of the information in Table 1 is provided in Appendix SV-001-000, with the following additional notes.

В For non-residential receptors further detail about the type of effect is set out in the text of Volume 5: Appendix SV-001-000. NA Type of effect - Generally no adverse effect Type of effect - Adverse effect Α S Type of effect - Significant adverse effect VDV Vibration Dose Value The forecast adverse effects are not considered to be significant on a community basis (further information on methodology is provided in Volume 5: Appendix SV-001-000). ٨ The impact methodology has identified a potential significant effect at this receptor which based upon further qualitative information is not considered to be a likely significant effect. Please refer the end of this Appendix for further information. Where the significant effect column is highlighted in pink, then a significant effect is identified at the referenced residential community area, or individual receptor. Yellow denotes a low ground-borne noise impact or a minor ground-borne vibration impact Orange denotes a medium ground-borne noise impact or a moderate ground-borne vibration impact

Red denotes a high ground-borne noise impact or a major ground-borne vibration impact

Dark red denotes a very high ground-borne noise impact

Table 1: Ground-borne sound and vibration levels, noise and vibration impacts and effects

| | | Impact criteria | 9 | | | Significance | criteri | a | | | | | | + |
|----------|---------------------------|---|---|---|------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|---------------------|-------------------------|--------------------|
| Assessme | I | Ground- borne sound level dB L _{pASmax} | VDV m/s ^{1.75} Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | -pasmax | 25.00) | 07.007 | in VDV | Z ë ë | È | ₹ ş | Re | en Ex | בֿ | <u>3</u> . <u>E</u> | eff Mi | . Sic |
| 620573 | Greville Mews, Kilburn | 23 | 0.09 | 0.04 | - | 10 | NA | R | Т | - | - | - | - | |
| 620574 | Kilburn High Road, London | 16 | 0.05 | 0.03 | - | 1 | NA | R | Т | _ | - | - | - | |
| 620575 | Springfield Lane, London | 19 | 0.06 | 0.03 | - | 24 | NA | R | Т | - | - | - | - | |
| 620576 | Springfield Lane, London | 18 | 0.06 | 0.03 | - | 15 | NA | R | Т | - | - | - | - | |
| 620577 | Springfield Lane, London | 19 | 0.06 | 0.03 | - | 24 | NA | R | Т | - | - | - | - | |
| 620578 | Kilburn High Road, London | 10 | 0.04 | 0.02 | - | 18 | NA | R | Т | - | - | - | - | |
| 620586 | Greville Mews, London | 15 | 0.05 | 0.03 | - | 1 | NA | R | Т | - | - | - | - | |
| 620587 | Greville Mews, London | 15 | 0.05 | 0.03 | - | 1 | NA | R | Т | - | - | - | - | |
| 620588 | Greville Road, London | 13 | 0.05 | 0.02 | - | 12 | NA | R | Т | - | - | - | - | |
| 620589 | Springfield Lane, London | 21 | 0.08 | 0.04 | - | 19 | NA | R | Т | - | - | - | - | |
| 620590 | Mortimer Crescent, London | 16 | 0.05 | 0.03 | - | 30 | NA | R | Т | - | - | - | - | |
| 620591 | Greville Road, London | 11 | 0.04 | 0.02 | - | 102 | NA | R | Т | - | - | - | - | |
| 620603 | Mortimer Crescent, London | 12 | 0.04 | 0.02 | - | 8 | NA | R | Т | - | - | - | - | |
| 620605 | Belsize Road, London | 10 | 0.04 | 0.02 | - | 1 | NA | R | Т | - | - | - | - | |
| 620607 | Langtry Road, London | 12 | 0.04 | 0.02 | - | 7 | NA | R | Т | - | - | - | - | |
| 620609 | Mortimer Crescent, London | 16 | 0.05 | 0.03 | - | 124 | NA | R | Т | - | - | - | - | |
| 620610 | Mortimer Place, London | 20 | 0.06 | 0.03 | - | 81 | NA | R | Т | - | - | - | - | |
| 620611 | Springfield Walk, London | 13 | 0.04 | 0.02 | - | 1 | NA | R | Т | - | - | - | - | |
| 620613 | Mortimer Crescent, London | 11 | 0.04 | 0.02 | - | 30 | NA | R | Т | - | - | - | - | |
| 620614 | Mortimer Crescent, London | 12 | 0.04 | 0.02 | - | 16 | NA | R | Т | - | - | - | - | |
| 620616 | Mortimer Crescent, London | 21 | 0.07 | 0.03 | - | 20 | NA | R | Т | - | - | - | - | |

| | | Impact criteria | 9 | | | Significance | e criteri | a | | | | | | #: |
|----------|-------------------------------|---|---|---|-------------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessme | nt location Area represented | Ground- borne sound level dB L _{pASmax} | VDV m/s ^{1.75} Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease in VDV | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| 620617 | Mortimer Crescent, London | 18 | 0.06 | 0.03 | - | 2 .= 2 | NA | R R | T T | - | | - U . <u>=</u> | <u>≥ u</u> - | S. S. |
| 620618 | Mortimer Crescent, London | 12 | 0.04 | 0.02 | _ | 15 | NA | R | Т | - | _ | - | - | |
| 620619 | Abbey Road, London | 20 | 0.06 | 0.03 | - | 12 | NA | R | Т | - | _ | - | - | |
| 620620 | Abbey Road, London | 16 | 0.05 | 0.03 | - | 17 | NA | R | Т | - | - | - | - | |
| 620621 | Abbey Road, London | 10 | 0.04 | 0.02 | - | 13 | NA | R | Т | - | - | - | - | |
| 620623 | Mortimer Crescent, London | 10 | 0.04 | 0.02 | - | 5 | NA | R | Т | - | - | - | - | |
| 620624 | Abbey Road, London | 20 | 0.07 | 0.03 | - | 102 | NA | R | Т | - | - | - | - | |
| 620626 | Abbey Road, London | 10 | 0.04 | 0.02 | - | 30 | NA | R | Т | - | - | - | - | |
| 620627 | Abbey Road, London | 9 | 0.03 | 0.02 | - | 26 | NA | R | Т | - | - | - | - | |
| 620628 | Boundary Road, London | 14 | 0.05 | 0.02 | - | 20 | NA | R | Т | - | - | - | - | |
| 620629 | Abbey Road, London | 12 | 0.04 | 0.02 | - | 22 | NA | R | Т | - | - | - | - | |
| 620630 | Ainsworth Way, London | 20 | 0.06 | 0.03 | - | 18 | NA | R | Т | - | - | - | - | |
| 620631 | Ainsworth Way, London | 15 | 0.05 | 0.02 | - | 70 | NA | R | Т | - | - | - | - | |
| 620632 | Ainsworth Way, London | 21 | 0.07 | 0.03 | - | 12 | NA | R | Т | - | - | - | - | |
| 620633 | Boundary Road, London | 14 | 0.05 | 0.02 | - | 24 | NA | R | Т | - | - | - | - | |
| 620634 | Rowley Way, London | 13 | 0.04 | 0.02 | - | 60 | NA | R | Т | - | - | - | - | |
| 620635 | Rowley Way, London | 11 | 0.04 | 0.02 | - | 50 | NA | R | Т | - | - | - | - | |
| 620636 | Rowley Way, London | 11 | 0.04 | 0.02 | - | 80 | NA | R | Т | - | - | - | - | |
| 620637 | Rowley Way, London | 12 | 0.04 | 0.02 | - | 80 | NA | R | Т | - | - | - | - | |
| 620638 | Rowley Way, London | 16 | 0.05 | 0.03 | - | 36 | NA | R | Т | - | - | - | - | |
| 620639 | Rowley Way, London | 20 | 0.07 | 0.03 | - | 36 | NA | R | Т | - | - | - | - | |
| 620640 | Ainsworth Way, London | 20 | 0.06 | 0.03 | - | 12 | NA | R | Т | - | - | - | - | |
| 620642 | Ainsworth Way, London | 15 | 0.05 | 0.02 | - | 46 | NA | R | Т | - | - | - | - | |

| | | Impact criteria | 9 | | | Significance | e criteri | a | | | | | | #: |
|----------|---|---|---|---|-------------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessme | nt location Area represented | Ground- borne sound level dB L _{pASmax} | VDV m/s ^{1.75} Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease in VDV | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| 620643 | Boundary Road, London | 12 | 0.04 | 0.02 | - | 20 | NA | R R | T | _ ш — — | | <u> </u> | <u>≥ v</u> | S |
| 620644 | Rowley Way, London | 15 | 0.05 | 0.02 | _ | 80 | NA | R | Т | _ | _ | _ | _ | |
| 620692 | Rowley Way, London | 19 | 0.06 | 0.03 | _ | 57 | NA | R | Т | - | - | - | - | |
| 620693 | Belsize Road, London | 10 | 0.03 | 0.02 | - | 27 | NA | R | Т | - | - | - | - | |
| 620694 | Belsize Road, London | 11 | 0.04 | 0.02 | - | 54 | NA | R | Т | - | - | - | - | |
| 620696 | Boundary Road, London | 11 | 0.04 | 0.02 | - | 1 | NA | R | Т | - | - | - | - | |
| 620697 | Alexandra Place, London | 19 | 0.06 | 0.03 | - | 46 | NA | R | Т | - | - | - | - | |
| 620698 | Alexandra Place, London | 17 | 0.05 | 0.02 | - | 10 | NA | R | Т | - | - | - | - | |
| 620699 | Langtry Walk, London | 15 | 0.05 | 0.02 | - | 1 | NA | R | Т | - | - | - | - | |
| 620701 | Loudoun Road, London | 11 | 0.04 | 0.02 | - | 16 | NA | R | Т | - | - | - | - | |
| 620702 | Alexandra Road, London | 10 | 0.04 | 0.02 | - | 22 | NA | R | Т | - | - | - | - | |
| 620703 | Alexandra Place, London | 9 | 0.03 | 0.02 | - | 12 | NA | R | Т | - | - | - | - | |
| 620704 | Boundary Road, London | 11 | 0.04 | 0.02 | - | 60 | NA | R | Т | - | - | - | - | |
| 620705 | Boundary Road, London | 8 | 0.03 | 0.02 | - | 10 | NA | R | Т | - | - | - | - | |
| 620707 | Loudoun Road, London (Also Committed Development Ref Cfa ₃ / ₃ 8) | 8 | 0.03 | 0.02 | - | 35(1) | NA | R(CD) | Т | - | - | - | - | |
| 620708 | Alexandra Road, London (Also Committed Development Ref Cfa3/36) | 9 | 0.03 | 0.02 | - | 4(8) | NA | R(CD) | Т | - | - | - | - | |
| 620710 | Hilgrove Road, London | 13 | 0.04 | 0.02 | - | 30 | NA | R | Т | - | - | - | - | |
| 620711 | Hilgrove Road, London | 15 | 0.05 | 0.02 | - | 20 | NA | R | Т | - | - | - | - | |
| 620712 | Alexandra Road, London | 10 | 0.03 | 0.02 | - | 11 | NA | R | Т | - | - | - | - | |
| 620713 | Hilgrove Road, London | 11 | 0.04 | 0.02 | - | 38 | NA | R | Т | - | - | - | - | |

| | | Impact criteria | 3 | | | Significance | e criteri | a | | | | | | +: |
|-----------|---------------------------------|---|---|---|-------------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessmen | nt location Area represented | Ground- borne sound level dB L _{pASmax} | VDV m/s ¹⁻⁷⁵ Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease in VDV | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| 620732 | Dorman Way, London | 8 | 0.03 | 0.02 | - | 56 | NA | R R | T T | - | | - U . <u>=</u> | | <u> </u> |
| 620733 | Alexandra Road, London | 10 | 0.04 | 0.02 | - | 11 | NA | R | Т | - | - | - | - | |
| 620734 | Alexandra Road, London | 9 | 0.03 | 0.02 | - | 11 | NA | R | Т | - | - | - | - | |
| 620735 | Hilgrove Road, London | 15 | 0.05 | 0.02 | - | 9 | NA | R | Т | - | - | - | - | |
| 620736 | Hilgrove Road, London | 19 | 0.06 | 0.03 | - | 54 | NA | R | Т | - | - | - | - | |
| 620737 | Finchley Road, Swiss Cottage | 16 | 0.05 | 0.02 | - | 110 | NA | R | Т | 1 | - | - | - | |
| 620738 | Finchley Road, London | 14 | 0.05 | 0.02 | - | 1 | NA | R | Т | - | - | - | - | |
| 620739 | Finchley Road, London | 15 | 0.05 | 0.03 | - | 12 | NA | R | Т | - | - | - | - | |
| 620741 | Dobson Close, London | 14 | 0.05 | 0.02 | - | 24 | NA | R | Т | - | - | - | - | |
| 620742 | Dobson Close, London | 12 | 0.04 | 0.02 | - | 8 | NA | R | Т | - | - | - | - | |
| 620745 | Avenue Road, London | 16 | 0.05 | 0.03 | - | 11 | NA | R | Т | - | - | - | - | |
| 620746 | Dobson Close, London | 11 | 0.04 | 0.02 | - | 10 | NA | R | Т | - | - | - | - | |
| 620747 | Dobson Close, London | 9 | 0.03 | 0.02 | - | 10 | NA | R | Т | - | - | - | - | |
| 620749 | Dobson Close, London | 10 | 0.03 | 0.02 | - | 6 | NA | R | Т | - | - | - | - | |
| 620750 | Finchley Road, London | 10 | 0.03 | 0.02 | - | 10 | NA | R | Т | - | - | - | - | |
| 620751 | Finchley Road, London | 9 | 0.03 | 0.02 | - | 38 | NA | R | Т | - | - | - | - | |
| 620763 | Winchester Mews, London | 13 | 0.04 | 0.02 | - | 22 | NA | R | Т | - | - | - | - | |
| 620765 | Winchester Road, Belsize | 18 | 0.05 | 0.03 | - | 144 | NA | R | Т | - | - | - | - | |
| 620769 | Fellows Road, London | 13 | 0.05 | 0.02 | - | 43 | NA | R | Т | - | - | - | - | |
| 620770 | Winchester Road, London | 18 | 0.05 | 0.03 | - | 52 | NA | R | Т | - | - | - | - | |
| 620771 | Adelaide Road, London | 8 | 0.03 | 0.02 | - | 161 | NA | R | Т | - | - | - | - | |
| 620776 | Fellows Road, London | 15 | 0.04 | 0.02 | - | 11 | NA | R | Т | - | - | - | - | |

| | | Impact criteria | 3 | | | Significance | e criteri | a | | | | | | +: |
|----------|-------------------------------|---|---|---|-------------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessme | nt location Area represented | Ground- borne sound level dB L _{pASmax} | VDV m/s ^{1.75} Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease in VDV | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| 620777 | Fellows Road, London | 13 | 0.04 | 0.02 | - | 19 | NA | R R | T | _ ш о | | | <u>≥</u> io | S |
| 620778 | Fellows Road, London | 14 | 0.04 | 0.02 | _ | 17 | NA | R | T | _ | _ | - | _ | |
| 620779 | Winchester Road, London | 16 | 0.05 | 0.03 | - | 3 | NA | R | Т | _ | - | - | - | |
| 620780 | Winchester Road, London | 14 | 0.04 | 0.02 | - | 43 | NA | R | Т | - | - | - | - | |
| 620783 | Winchester Road, London | 10 | 0.03 | 0.02 | - | 37 | NA | R | Т | - | - | - | - | |
| 620785 | Hornby Close, London | 11 | 0.03 | 0.02 | - | 27 | NA | R | Т | - | - | - | - | |
| 620786 | Fellows Road, London | 16 | 0.04 | 0.02 | - | 181 | NA | R | Т | - | - | - | - | |
| 620787 | Fellows Road, London | 16 | 0.04 | 0.02 | - | 30 | NA | R | Т | - | - | - | - | |
| 620788 | Huson Close, London | 17 | 0.04 | 0.02 | - | 14 | NA | R | Т | - | - | - | - | |
| 620789 | Fellows Road, London | 13 | 0.04 | 0.02 | - | 166 | NA | R | Т | - | - | - | - | |
| 620790 | Briary Close, London | 12 | 0.03 | 0.02 | - | 30 | NA | R | Т | - | - | - | - | |
| 620791 | Huson Close, London | 9 | 0.03 | 0.01 | - | 18 | NA | R | Т | - | - | - | - | |
| 620792 | Huson Close, London | 8 | 0.03 | 0.01 | - | 12 | NA | R | Т | - | - | - | - | |
| 620793 | Huson Close, London | 14 | 0.04 | 0.02 | - | 16 | NA | R | Т | - | - | - | - | |
| 620794 | Eton Avenue, London | 8 | 0.03 | 0.01 | - | 33 | NA | R | Т | - | - | - | - | |
| 620795 | Kings College Road, London | 10 | 0.03 | 0.02 | - | 8 | NA | R | Т | - | - | - | - | |
| 620796 | Fellows Road, London | 16 | 0.05 | 0.02 | - | 30 | NA | R | Т | - | - | - | - | |
| 620797 | Fellows Road, London | 14 | 0.04 | 0.02 | - | 41 | NA | R | Т | - | - | - | - | |
| 620798 | Eton Avenue, London | 8 | 0.03 | 0.01 | - | 22 | NA | R | Т | - | - | - | - | |
| 620799 | Fellows Road, London | 11 | 0.03 | 0.02 | - | 9 | NA | R | Т | - | - | - | - | |
| 620800 | Brocas Close, London | 12 | 0.03 | 0.02 | - | 7 | NA | R | Т | - | - | - | - | |
| 620801 | Brocas Close, London | 18 | 0.04 | 0.02 | - | 7 | NA | R | Т | - | - | - | - | |
| 620802 | Brocas Close, London | 11 | 0.03 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |

| | | Impact criteria | 3 | | | Significance | e criteri | a | | | | | | |
|----------|-------------------------------|---|--|---|-------------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessme | nt location Area represented | Ground- borne sound level dB L _{pASmax} | VDV m/s ^{1.75} Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease in VDV | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| 620803 | Brocas Close, London | 9 | 0.03 | 0.01 | - | 8 | NA | R | T | - | - | - | - U | 01 |
| 620804 | Adelaide Road, London | 11 | 0.03 | 0.02 | - | 158 | NA | R | Т | - | - | - | - | |
| 620806 | Elliott Square, London | 5 | 0.02 | 0.01 | - | 8 | NA | R | Т | - | - | - | - | |
| 620816 | Merton Rise, London | 12 | 0.03 | 0.02 | - | 15 | NA | R | Т | - | - | - | - | |
| 620817 | Fellows Road, London | 10 | 0.03 | 0.01 | - | 15 | NA | R | Т | - | - | - | - | |
| 620818 | Fellows Road, London | 9 | 0.03 | 0.01 | - | 15 | NA | R | Т | - | - | - | - | |
| 620819 | Fellows Road, London | 7 | 0.02 | 0.01 | - | 11 | NA | R | Т | - | - | - | - | |
| 620820 | Merton Rise, London | 9 | 0.03 | 0.01 | - | 1 | NA | R | Т | - | - | - | - | |
| 620821 | Merton Rise, London | 7 | 0.02 | 0.01 | - | 4 | NA | R | Т | - | - | - | - | |
| 620824 | Quickswood, London | 8 | 0.02 | 0.01 | - | 8 | NA | R | Т | - | - | - | - | |
| 620825 | Quickswood, London | 7 | 0.02 | 0.01 | - | 9 | NA | R | Т | - | - | - | - | |
| 620826 | Quickswood, London | 6 | 0.02 | 0.01 | - | 4 | NA | R | Т | - | - | - | - | |
| 620827 | Adelaide Road, London | 17 | 0.04 | 0.02 | - | 18 | NA | R | Т | - | - | - | - | |
| 620828 | Tobin Close, London | 11 | 0.03 | 0.02 | - | 8 | NA | R | Т | - | - | - | - | |
| 620830 | Primrose Hill Road, London | 11 | 0.03 | 0.02 | - | 48 | NA | R | Т | - | - | - | - | |
| 620831 | Fellows Road, London | 17 | 0.04 | 0.02 | - | 7 | NA | R | Т | - | - | - | - | |
| 620832 | Fellows Road, London | 13 | 0.03 | 0.02 | - | 7 | NA | R | Т | - | - | - | - | |
| 620852 | Fellows Road, London | 6 | 0.02 | 0.01 | - | 15 | NA | R | Т | - | - | - | - | |
| 620855 | Fellows Road, London | 14 | 0.03 | 0.02 | - | 12 | NA | R | Т | - | - | - | - | |
| 620856 | Primrose Hill Road, London | 13 | 0.03 | 0.02 | - | 31 | NA | R | Т | - | - | - | - | |
| 620857 | Adelaide Road, London | 12 | 0.03 | 0.02 | - | 16 | NA | R | Т | - | - | - | - | |
| 620859 | Adelaide Road, London | 11 | 0.03 | 0.01 | - | 73 | NA | R | Т | - | - | - | - | |
| 620860 | Adelaide Road, London | 14 | 0.03 | 0.02 | - | 6 | NA | R | Т | - | - | - | - | |

| | | Impact criteria | ì | | | Significance | e criteri | a | | | | | | +: |
|-----------|--|------------------------------------|--|---|------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|--------------------|-------------------------|--------------------|
| Assessmei | nt location | Ground- borne sound level dB | VDV m/s ^{1.75} Daytime (07:00 - | VDV m/s ^{1.75} Night time (23:00 – | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | L _{pASmax} | 23:00) | 07:00) | in VDV | Nur imp rep | Тур | Typ rec | Rec des | Exis | Uni | Cor | Mit effe | Sig |
| 620861 | Adelaide Road, London (Also Committed Development Ref CFA3/24) | 13 | 0.03 | 0.02 | - | 1(9) | NA | R(CD) | Т | - | - | - | - | |
| 620862 | Adelaide Road, London | 14 | 0.03 | 0.02 | - | 2 | NA | R | Т | - | - | - | - | |
| 620863 | Adelaide Road, London | 16 | 0.04 | 0.02 | - | 2 | NA | R | Т | - | - | - | - | |
| 620864 | Adelaide Road, London | 19 | 0.04 | 0.02 | - | 8 | NA | R | Т | - | - | - | - | |
| 620865 | Adelaide Road, London | 17 | 0.04 | 0.02 | - | 2 | NA | R | Т | - | - | - | - | |
| 620866 | Adelaide Road, London | 17 | 0.04 | 0.02 | - | 2 | NA | R | Т | - | - | - | - | |
| 620867 | Fellows Road, London | 8 | 0.02 | 0.01 | - | 16 | NA | R | Т | - | - | - | - | |
| 620868 | Fellows Road, London | 7 | 0.02 | 0.01 | - | 17 | NA | R | Т | - | - | - | - | |
| 620869 | Fellows Road, London | 9 | 0.02 | 0.01 | - | 3 | NA | R | Т | - | - | - | - | |
| 620870 | Fellows Road, London | 8 | 0.02 | 0.01 | - | 3 | NA | R | Т | - | - | - | - | |
| 620871 | Fellows Road, London | 6 | 0.02 | 0.01 | - | 37 | NA | R | Т | - | - | - | - | |
| 620873 | King Henrys Road, London | 8 | 0.02 | 0.01 | - | 23 | NA | R | Т | - | - | - | - | |
| 620874 | King Henrys Road, London | 13 | 0.03 | 0.01 | - | 14 | NA | R | Т | - | - | - | - | |
| 620875 | King Henrys Road, London | 20 | 0.05 | 0.02 | - | 10 | NA | R | Т | - | - | - | - | |
| 620877 | Beaumont Walk, London | 11 | 0.03 | 0.01 | - | 16 | NA | R | Т | - | - | - | - | |
| 620878 | Beaumont Walk, London | 8 | 0.02 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |
| 620879 | Provost Road, London | 6 | 0.02 | 0.01 | - | 1 | NA | R | Т | - | - | - | - | |
| 620880 | Beaumont Walk, London | 8 | 0.02 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |
| 620881 | Beaumont Walk, London | 7 | 0.02 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |
| 620882 | Beaumont Walk, London | 9 | 0.02 | 0.01 | - | 5 | NA | R | Т | - | - | - | - | |
| 620883 | Beaumont Walk, London | 9 | 0.02 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |

| | | Impact criteria | a . | | | Significance | e criteria | a | | | | | | +: |
|----------|--------------------------------|---|--|---|-------------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessme | nt location Area represented | Ground- borne sound level dB L _{pASmax} | VDV m/s ¹⁻⁷⁵ Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease in VDV | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| 620884 | Eton Road, London | 8 | 0.02 | 0.01 | - | 7 | NA | R | T | - ш ф | | - | - | 01 |
| 620886 | Fellows Road, London | 6 | 0.02 | 0.01 | - | 4 | NA | R | Т | - | - | - | - | |
| 620897 | Primrose Hill Road, London | 6 | 0.02 | 0.01 | - | 4 | NA | R | Т | - | - | - | - | |
| 620900 | Quickswood, London | 6 | 0.02 | 0.01 | - | 4 | NA | R | Т | - | - | - | - | |
| 620901 | Quickswood, London | 5 | 0.02 | 0.01 | - | 3 | NA | R | Т | - | - | - | - | |
| 621153 | Hornby Close, London | 12 | 0.04 | 0.02 | - | 4 | NA | R | Т | - | - | - | - | |
| 621155 | St. Johns Wood Park, London | 8 | 0.03 | 0.01 | - | 50 | NA | R | Т | - | - | - | - | |
| 621159 | Alexandra Road, London | 15 | 0.04 | 0.02 | - | 18 | NA | R | Т | - | - | - | - | |
| 621178 | Abbey Road, London | 20 | 0.06 | 0.03 | - | 12 | NA | R | Т | - | - | - | - | |
| 621179 | Abbey Road, London | 21 | 0.07 | 0.04 | - | 17 | NA | R | Т | - | - | - | - | |
| 621180 | Abbey Road, London | 14 | 0.05 | 0.02 | - | 14 | NA | R | Т | - | - | - | - | |
| 621181 | Abbey Road, London | 12 | 0.04 | 0.02 | - | 15 | NA | R | Т | - | - | - | - | |
| 621182 | Abbey Road, London | 20 | 0.06 | 0.03 | - | 17 | NA | R | Т | - | - | - | - | |
| 621183 | Abbey Road, London | 20 | 0.06 | 0.03 | - | 14 | NA | R | Т | - | - | - | - | |
| 621184 | Abbey Road, London | 12 | 0.04 | 0.02 | - | 12 | NA | R | Т | - | - | - | - | |
| 621185 | Abbey Road, London | 12 | 0.04 | 0.02 | - | 14 | NA | R | Т | - | - | - | - | |
| 621715 | Prince Albert Road, London | 8 | 0.02 | 0.01 | - | 1 | NA | R | Т | - | - | - | - | |
| 621716 | Gloucester Avenue, London | 14 | 0.03 | 0.01 | - | 9 | NA | R | Т | - | - | - | - | |
| 621717 | Gloucester Avenue, London | 9 | 0.02 | 0.01 | - | 5 | NA | R | Т | - | - | - | - | |
| 621718 | Prince Albert Road, London | 7 | 0.02 | 0.01 | - | 1 | NA | R | Т | - | - | - | - | |
| 621719 | Gloucester Avenue, London | 12 | 0.02 | 0.01 | - | 12 | NA | R | Т | - | - | - | - | |
| 621720 | Prince Albert Road, London | 5 | 0.01 | 0.01 | - | 1 | NA | R | Т | - | - | - | - | |

| | | Impact criteria | a | | | Significance | e criteri | a | | | | | | + |
|----------|--|---|--|---|-------------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessme | Area represented | Ground- borne sound level dB L _{pASmax} | VDV m/s ^{1.75} Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease in VDV | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| 621721 | Regal Lane, London | 7 | 0.02 | 0.01 | - | 4 | NA | R | Т | - | - | - | - | |
| 621722 | Regal Lane, London | 7 | 0.02 | 0.01 | - | 5 | NA | R | Т | - | - | - | - | |
| 621723 | Regal Lane, London | 6 | 0.01 | 0.01 | - | 2 | NA | R | Т | - | - | - | - | |
| 621726 | Gloucester Avenue, London | 10 | 0.02 | 0.01 | - | 1 | NA | R | Т | - | - | - | - | |
| 621732 | Gloucester Avenue, London | 10 | 0.02 | 0.01 | - | 41 | NA | R | Т | - | - | - | - | |
| 621733 | Gloucester Avenue, London | 6 | 0.02 | 0.01 | - | 5 | NA | R | Т | - | - | - | - | |
| 621734 | Gloucester Avenue, London | 21 | 0.04 | 0.02 | - | 16 | NA | R | Т | - | - | - | - | |
| 621736 | Parkway, London | 10 | 0.03 | 0.02 | - | 15 | NA | R | Т | - | - | - | - | |
| 621739 | Parkway, London | 3 | 0.02 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |
| 621741 | Oval Road, London | 8 | 0.02 | 0.01 | - | 12 | NA | R | Т | - | - | - | - | |
| 621743 | Parkway, London | 6 | 0.02 | 0.01 | - | 5 | NA | R | Т | - | - | - | - | |
| 621744 | Gloucester Crescent, London | 5 | 0.02 | 0.01 | - | 3 | NA | R | Т | - | - | - | - | |
| 621745 | Parkway, London | 3 | 0.02 | 0.01 | - | 11 | NA | R | Т | - | - | - | - | |
| 621749 | Gloucester Crescent, London | 3 | 0.01 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |
| 621750 | Regents Park Terrace, London | 4 | 0.01 | 0.01 | - | 35 | NA | R | Т | - | - | - | - | |
| 621751 | Oval Road, London | 10 | 0.02 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |
| 621752 | Oval Road, London | 10 | 0.02 | 0.01 | - | 4 | NA | R | Т | - | - | - | - | |
| 621753 | Oval Road, London | 8 | 0.02 | 0.01 | - | 15 | NA | R | Т | - | - | - | - | |
| 621760 | Gloucester Avenue, London | 21 | 0.04 | 0.02 | - | 44 | NA | R | Т | - | - | - | - | |
| 621761 | Gloucester Avenue, London | 21 | 0.04 | 0.02 | - | 44 | NA | R | Т | - | - | - | - | |
| 621763 | Gloucester Avenue, Camden Town With Primrose Hill | 19 | 0.04 | 0.02 | - | 1 | NA | R | Т | - | - | - | - | |

| | | Impact criteria | 9 | | | Significance | e criteria | a | | | | | | + |
|----------|-------------------------------|---|---|---|-------------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessme | nt location Area represented | Ground- borne sound level dB L _{pASmax} | VDV m/s ^{1.75} Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease in VDV | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| 621764 | Gloucester Avenue, London | 12 | 0.02 | 0.01 | - | 10 | NA | R R | T T | - ш | | - U . <u>=</u> | <u>≥ u</u> | S |
| 621765 | Gloucester Avenue, London | 11 | 0.02 | 0.01 | - | 9 | NA | R | Т | - | - | - | - | |
| 621766 | Gloucester Avenue, London | 13 | 0.02 | 0.01 | - | 3 | NA | R | Т | - | - | - | - | |
| 621767 | Oval Road, London | 8 | 0.02 | 0.01 | - | 1 | NA | R | Т | - | - | - | - | |
| 621769 | Oval Road, London | 8 | 0.02 | 0.01 | - | 172 | NA | R | Т | - | - | - | - | |
| 621770 | Oval Road, London | 6 | 0.02 | 0.01 | - | 12 | NA | R | Т | - | - | - | - | |
| 621782 | Gilbeys Yard, London | 8 | 0.02 | 0.01 | - | 11 | NA | R | Т | - | - | - | - | |
| 621784 | Gilbeys Yard, London | 7 | 0.02 | 0.01 | - | 26 | NA | R | Т | - | - | - | - | |
| 621792 | St. Marks Crescent, London | 9 | 0.02 | 0.01 | - | 3 | NA | R | Т | - | - | - | - | |
| 621793 | St. Marks Crescent, London | 7 | 0.02 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |
| 621796 | Gloucester Avenue, London | 17 | 0.03 | 0.02 | - | 5 | NA | R | Т | - | - | - | - | |
| 621797 | St. Marks Crescent, London | 12 | 0.02 | 0.01 | - | 5 | NA | R | Т | - | - | - | - | |
| 621798 | St. Marks Crescent, London | 8 | 0.02 | 0.01 | - | 9 | NA | R | Т | - | - | - | - | |
| 621802 | Waterside Place, London | 18 | 0.03 | 0.02 | - | 6 | NA | R | Т | - | - | - | - | |
| 621803 | Waterside Place, London | 12 | 0.02 | 0.01 | - | 4 | NA | R | Т | - | - | - | - | |
| 621804 | Princess Road, London | 9 | 0.02 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |
| 621812 | Gloucester Avenue, London | 14 | 0.03 | 0.01 | - | 3 | NA | R | Т | - | - | - | - | |
| 621813 | Edis Street, London | 10 | 0.02 | 0.01 | - | 7 | NA | R | Т | - | - | - | - | |
| 621814 | Princess Road, London | 12 | 0.02 | 0.01 | - | 10 | NA | R | Т | - | - | - | - | |
| 621815 | Princess Road, London | 7 | 0.02 | 0.01 | - | 7 | NA | R | Т | - | - | - | - | |
| 621816 | Edis Street, London | 7 | 0.02 | 0.01 | - | 8 | NA | R | Т | - | - | - | - | |
| 621820 | Gloucester Avenue, London | 22 | 0.05 | 0.02 | - | 6 | NA | R | Т | - | - | - | - | |
| 621822 | Gloucester Avenue, London | 11 | 0.02 | 0.01 | - | 13 | NA | R | Т | - | - | - | _ | |

| | | Impact criteria | 9 | | | Significance | e criteri | a | | | | | | + |
|----------|-------------------------------|---|---|---|-------------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessme | nt location Area represented | Ground- borne sound level dB L _{pASmax} | VDV m/s ^{1.75} Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease in VDV | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| 621823 | Gloucester Avenue, London | 10 | 0.02 | 0.01 | - | Z .⊆ 型 | NA | r R | <u>α σ</u> Τ | _ <u>m</u> _ | | _0 .⊑ | _ ≥ = | <u> </u> |
| 621824 | Fitzroy Road, London | 7 | 0.02 | 0.01 | <u> </u> | 4 | NA | R | T | _ | _ | _ | _ | |
| 621833 | Edis Street, London | 9 | 0.02 | 0.01 | <u> </u> | 10 | NA | R | T | _ | _ | _ | _ | |
| 621834 | Gloucester Avenue, London | 18 | 0.03 | 0.02 | _ | 22 | NA | R | T | _ | _ | _ | _ | |
| 621835 | Sunny Mews, London | 24 | 0.05 | 0.03 | - | 6 | NA | R | T | - | _ | - | _ | |
| 621843 | Fitzroy Road, London | 7 | 0.02 | 0.01 | - | 6 | NA | R | Т | - | - | - | _ | |
| 621847 | Berkley Grove, London | 7 | 0.02 | 0.01 | - | 15 | NA | R | Т | - | _ | - | - | |
| 621852 | Gloucester Avenue, London | 8 | 0.02 | 0.01 | - | 31 | NA | R | Т | - | - | - | - | |
| 621853 | Gloucester Avenue, London | 10 | 0.02 | 0.01 | - | 9 | NA | R | Т | - | - | - | - | |
| 621854 | Berkley Grove, London | 7 | 0.02 | 0.01 | - | 1 | NA | R | Т | - | - | - | - | |
| 621856 | Regents Park Road, London | 8 | 0.02 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |
| 621858 | Regents Park Road, London | 12 | 0.03 | 0.01 | - | 8 | NA | R | Т | - | - | - | - | |
| 621859 | Regents Park Road, London | 16 | 0.03 | 0.02 | - | 3 | NA | R | Т | - | - | - | - | |
| 621863 | Regents Park Road, London | 8 | 0.02 | 0.01 | - | 7 | NA | R | Т | • | - | - | - | |
| 621865 | King Henrys Road, London | 7 | 0.02 | 0.01 | - | 6 | NA | R | Т | - | - | - | - | |
| 621866 | King Henrys Road, London | 11 | 0.03 | 0.01 | - | 9 | NA | R | Т | - | - | - | - | |
| 621867 | Regents Park Road, London | 20 | 0.05 | 0.02 | - | 21 | NA | R | Т | - | - | - | - | |
| 621869 | King Henrys Road, London | 20 | 0.04 | 0.02 | - | 5 | NA | R | Т | - | - | - | - | |
| 621871 | Gloucester Avenue, London | 20 | 0.04 | 0.02 | - | 1 | NA | R | Т | - | - | - | - | |
| 621872 | Gloucester Avenue, London | 17 | 0.03 | 0.02 | - | 38 | NA | R | Т | - | - | - | - | |
| 621873 | Gloucester Avenue, London | 17 | 0.04 | 0.02 | - | 2 | NA | R | Т | - | - | - | - | |
| 621874 | Gloucester Avenue, London | 22 | 0.05 | 0.02 | - | 4 | NA | R | Т | - | - | - | - | |
| 621893 | Provost Road, London | 5 | 0.02 | 0.01 | - | 9 | NA | R | Т | - | - | - | - | |

| | | Impact criteria | a . | | | Significance | e criteri | a | | | | | | #: |
|----------|--|---|---|---|-------------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessme | nt location Area represented | Ground- borne sound level dB L _{pASmax} | VDV m/s ^{1.75} Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease in VDV | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| 621895 | Adelaide Road, London | 11 | 0.03 | 0.01 | - | 11 | NA | R R | T | - | | - U . <u>=</u> | <u>≥ v</u> | S |
| 621896 | Adelaide Road, London | 8 | 0.02 | 0.01 | - | 30 | NA | R | Т | _ | - | - | - | |
| 621897 | Adelaide Road, London | 5 | 0.02 | 0.01 | - | 36 | NA | R | Т | - | - | - | - | |
| 621898 | Regents Park Road, London | 12 | 0.03 | 0.01 | - | 5 | NA | R | Т | - | - | - | - | |
| 621906 | Regents Park Road, London | 4 | 0.02 | 0.01 | - | 12 | NA | R | Т | - | - | - | - | |
| 700452 | Primrose Hill Road, London | 18 | 0.04 | 0.02 | - | 1 | NA | R | Т | - | - | - | - | |
| 700453 | Eton Road, London | 8 | 0.02 | 0.01 | - | 8 | NA | R | Т | - | - | - | - | |
| 620573 | Kilburn High Road, London, (Café) | 23 | 0.09 | 0.04 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620574 | Kilburn High Road, London, (General Commercial) | 16 | 0.05 | 0.03 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620578 | Belsize Road, London, (Office) | 9 | 0.04 | 0.02 | - | 6 | В | G4/V3 | Т | ı | - | - | - | |
| 620578 | Belsize Road, London, (Office) | 9 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620578 | Belsize Road, London, (Office) | 9 | 0.04 | 0.02 | - | 10 | В | G4/V3 | Т | - | - | - | - | |
| 620578 | Belsize Road, London, (Café) | 9 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | 1 | - | - | - | |
| 620578 | Kilburn High Road, London, (Shopping) | 9 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | ı | - | - | - | |
| 620578 | Kilburn High Road, London, (Bank) | 9 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620578 | Kilburn High Road, London, (Building Society) | 9 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620578 | IS Cohen Optometrist, | 9 | 0.04 | 0.02 | - | 1 | В | G4/V2 | Т | - | - | - | - | |

| | | Impact criteria | 9 | | | Significance | e criteria | a | | | | | | +: |
|----------|--|------------------------------------|--|---|------------------------|-------------------------------------|----------------|--------------------------------|--------------------|---------------------------|----------------|--------------------|-------------------------|--------------------|
| Assessme | nt location | Ground- borne sound level dB | VDV m/s ^{1.75} Daytime (07:00 - | VDV m/s ^{1.75} Night time (23:00 – | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | L _{pASmax} | 23:00) | 07:00) | in VDV | Nun impi repr | Тур | Type | Rece | Exis [.] envi | Unic | Combin impact | Miti | Sign |
| | Kilburn High Road, London, (Clinic) | | | | | | | | | | | | | |
| 620578 | Shape Dental Clinic, Kilburn High Road, London, (Dental Surgery) | 9 | 0.04 | 0.02 | - | 1 | В | G4/V2 | Т | - | - | - | - | |
| 620578 | Kilburn High Road, London, (General Commercial) | 9 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620578 | Belsize Road, London, (General Commercial) | 9 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620578 | Belsize Road, London, (General Commercial) | 9 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620586 | Kilburn High Road, London, (Youth Centre) | 15 | 0.05 | 0.03 | - | 2 | В | G ₃ /V ₃ | Т | - | - | - | - | |
| 620591 | Regents Plaza, Kilburn High Road, London, (General Commercial) | 11 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620605 | Belsize Road, London, (General Commercial) | 10 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620605 | Belsize Road, London, (General Commercial) | 10 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620607 | Langtry Road, London, (General Commercial) | 12 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620608 | Langtry Road, London, (General Commercial) | 12 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620625 | Abbey Road, London, (General Commercial) | 17 | 0.06 | 0.03 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620626 | Medical Centre, Abbey Road, London, (Health | 10 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |

| | | Impact criteria | 9 | | | Significance | e criteria | a | | | | | | #: |
|----------|---|------------------------------------|--|---|------------------------|-------------------------------------|----------------|--------------------------------|--------------------|-------------------------|----------------|--------------------|-------------------------|--------------------|
| Assessme | nt location | Ground- borne sound level dB | VDV m/s ^{1.75} Daytime (07:00 - | VDV m/s ^{1.75} Night time (23:00 – | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | L _{pASmax} | 23:00) | 07:00) | in VDV | Nun impi repr | Туре | Type rece | Rece | Exist | Unic | Combin impact | Miti | Sign |
| | Centre) | | | | | | | | | | | | | |
| 620627 | Boundary Road, London, (Restaurant) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620627 | St. Johns Wood School Of English, Boundary Road, London, (Language Studies) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620627 | Boundary Road, London, (General Commercial) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620627 | Boundary Road, London, (General Commercial) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | 1 | - | - | - | |
| 620627 | Boundary Road, London, (General Commercial) | 9 | 0.03 | 0.02 | - | 2 | В | G4/V3 | Т | - | - | - | - | |
| 620627 | Boundary Road, London, (General Commercial) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | ı | - | - | - | |
| 620627 | Boundary Road, London, (General Commercial) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | ı | - | - | - | |
| 620627 | Boundary Gallery, Boundary Road, London, (Art Gallery) | 9 | 0.03 | 0.02 | - | 1 | В | G ₃ /V ₃ | Т | - | - | - | - | |
| 620627 | Boundary Road, London, (General Commercial) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | 1 | - | - | - | |
| 620627 | The Dental Practice, Boundary Road, London, (Dental Surgery) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V2 | Т | - | - | - | - | |
| 620627 | Boundary Road, London, (General Commercial) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620627 | Boundary Road, London, (General Commercial) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |

| | | Impact criteria | 3 | | | Significance | e criteri | a | | | | | | + |
|----------|---|---|---|---|------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|---------------------|-------------------------|--------------------|
| Assessme | nt location Area represented | Ground- borne sound level dB L _{pASmax} | VDV m/s ^{1.75} Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined Impact | Mitigation of effect | Significant effect |
| | | рлопих | <i>J</i> , | , , | in VDV | Z = e | F | | Rede | e Œ | <u> </u> | <u></u> შ. <u>೬</u> | E ⊆ | Si |
| 620627 | Hamilton Veterinary Clinic, Boundary Road, London, (Veterinary Surgery) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620627 | Boundary Road, London, (General Commercial) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620627 | Boundary Road, London, (General Commercial) | 9 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620642 | Linnell House, Boundary Road, London, (General Commercial) | 15 | 0.05 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620650 | Boundary Road, London, (Research) | 8 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620692 | Rowley Way, London, (General Commercial) | 19 | 0.06 | 0.03 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620692 | Langtry Walk, London, (General Commercial) | 19 | 0.06 | 0.03 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620695 | Jack Taylor School, Ainsworth Way, London, (School) | 15 | 0.05 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620696 | St. John's Wood Care Centre, Boundary Road, London, (Day Care) | 11 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620701 | Loudoun Road, London, (General Commercial) | 11 | 0.04 | 0.02 | - | 3 | В | G4/V3 | Т | - | - | - | - | |
| 620702 | Ready Steady Go Nursery, Alexandra Road, London, (Pre School Education) | 10 | 0.04 | 0.02 | - | 2 | В | G4/V3 | Т | - | - | - | - | |
| 620709 | South Hampstead Railway | 20 | 0.07 | 0.03 | - | 1 | В | G4/V3 | Т | - | - | - | - | |

| | | Impact criteria | a | | | Significance | e criteri | a | | | | | | # |
|----------|--|------------------------------------|--|---|------------------------|-------------------------------------|----------------|--------------------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessme | ent location | Ground- borne sound level dB | VDV m/s ^{1.75} Daytime (07:00 - | VDV m/s ^{1.75} Night time (23:00 – | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | L _{pASmax} | 23:00) | 07:00) | in VDV | Nun imp | Тур | Typ | Recepto design | Exis | Unic | Сол | Miti effe | Sigr |
| | Station, Loudoun Road, London, (General Commercial) | | | | | | | | | | | | | |
| 620737 | Regency Parade, Finchley Road, London, (Surgery) | 16 | 0.05 | 0.02 | - | 11 | В | G4/V2 | Т | - | - | - | - | |
| 620738 | Odeon Cinema, Finchley Road, London, (Cinema) | 14 | 0.05 | 0.02 | - | 1 | В | G ₃ /V ₃ | Т | - | - | - | - | |
| 620740 | Swiss Cottage Library, Avenue Road, London, (Library) | 11 | 0.04 | 0.02 | - | 2 | В | G4/V3 | Т | - | - | - | - | |
| 620744 | Avenue Road, London, (Office) | 17 | 0.06 | 0.03 | - | 11 | В | G4/V3 | Т | - | - | - | - | |
| 620745 | Lebanese Maronite Church, Dobson Close, London, (Church) | 16 | 0.05 | 0.03 | - | 1 | В | G3/V3 | Т | - | - | - | - | |
| 620750 | Finchley Road, London, (General Commercial) | 10 | 0.03 | 0.02 | - | 2 | В | G4/V3 | Т | - | - | - | - | |
| 620750 | Finchley Road, London, (Restaurant) | 10 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620751 | Finchley Road, London, (Bank) | 9 | 0.03 | 0.02 | - | 6 | В | G4/V3 | Т | - | - | - | - | |
| 620763 | Winchester Mews, London, (Surgery) | 13 | 0.04 | 0.02 | - | 1 | В | G4/V2 | Т | - | - | - | - | |
| 620765 | Swiss Cottage Community Centre, Winchester Road, London, (Community Centre) | 18 | 0.05 | 0.03 | - | 1 | В | G3/V3 | Т | - | - | - | - | |
| 620779 | Winchester Road, London, | 16 | 0.05 | 0.03 | - | 1 | В | G4/V3 | Т | - | - | - | | |

| | | Impact criteria | 3 | | | Significance | e criteri | a | | | | | | # |
|----------|---|------------------------------------|--|---|------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|--------------------|-------------------------|--------------------|
| Assessme | ent location | Ground- borne sound level dB | VDV m/s ^{1.75} Daytime (07:00 - | VDV m/s ^{1.75} Night time (23:00 – | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | L _{pASmax} | 23:00) | 07:00) | in VDV | Nun impi | Тур | Type | Recepto design | Exis | Unic | Combin impact | Miti | Sign |
| | (General Commercial) | | ļ | | | | | | | | | | | |
| 620779 | Winchester Road, London, (General Commercial) | 16 | 0.05 | 0.03 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620779 | Old Winchester Arms, Winchester Road, London, (General Commercial) | 16 | 0.05 | 0.03 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620779 | Winchester Road, London, (General Commercial) | 16 | 0.05 | 0.03 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620779 | Winchester Road, London, (General Commercial) | 16 | 0.05 | 0.03 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620783 | Crossfield Road, London, (Office) | 10 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620783 | Mora Burnett House, Winchester Road, London, (Office) | 10 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620785 | Dental Surgery, Hornby Close, London, (Dental Surgery) | 11 | 0.03 | 0.02 | - | 1 | В | G4/V2 | Т | - | - | - | - | |
| 620788 | Fellows Road, London, (General Commercial) | 17 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620789 | Bray Dental Practice, Bray Tower, Adelaide Road, London, (Dental Surgery) | 13 | 0.04 | 0.02 | - | 1 | В | G4/V2 | Т | - | - | - | - | |
| 620794 | Trevor Roberts Preparatory School, Eton Avenue, London, (Private Primary School) | 8 | 0.03 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620799 | Swiss Cottage Hotel, | 11 | 0.03 | 0.02 | - | 1 | В | G4/V2 | Т | - | <u> </u> | <u> </u> | - | |

| | | Impact criteria | 9 | | | Significance | e criteria | a | | | | | | +: |
|----------|---|------------------------------------|--|---|------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|--------------------|-------------------------|--------------------|
| Assessme | nt location | Ground- borne sound level dB | VDV m/s ^{1.75} Daytime (07:00 - | VDV m/s ^{1.75} Night time (23:00 – | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | L_{pASmax} | 23:00) | 07:00) | in VDV | Nun impä repr | Туре | Type rece | Recepto design | Exist | Unic | Combin impact | Miti | Sign |
| | Adamson Road, London, (Hotel) | | | | | | | | | | | | | |
| 620799 | Fellows Road, London, (Guest House) | 11 | 0.03 | 0.02 | - | 1 | В | G4/V2 | Т | - | - | - | - | |
| 620807 | Adelaide Road, London, (General Commercial) | 5 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620821 | Eton Avenue, London, (General Commercial) | 7 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620822 | Sarum Hall School, Eton Avenue, London, (School) | 5 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | 1 | - | - | - | |
| 620854 | The Britania Hotel, Primrose Hill Road, London, (Hotel) | 16 | 0.04 | 0.02 | - | 1 | В | G4/V2 | Т | 1 | - | - | - | |
| 620858 | Adelaide Road, London, (Car Dealer) | 13 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | 1 | - | - | - | |
| 620858 | Adelaide Road, London, (Surgery) | 13 | 0.03 | 0.02 | - | 1 | В | G4/V2 | Т | - | - | - | - | |
| 620861 | Jamestown Mental Health Centre, Adelaide Road, London, (Health Centre) | 13 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 620863 | Adelaide Road, London, (General Commercial) | 16 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621209 | Kilburn High Road, London, (General Commercial) | 12 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621209 | Kilburn High Road Railway Station, Kilburn High Road, London, (General Commercial) | 12 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621713 | Parkway, London, | 15 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | | - | |

| | | Impact criteria | a . | | | Significance | e criteri | a | | | | | | #: |
|----------|--|------------------------------------|--|---|------------------------|-------------------------------------|----------------|--------------------------------|--------------------|---------------------------|----------------|--------------------|-------------------------|--------------------|
| Assessme | nt location | Ground- borne sound level dB | VDV m/s ^{1.75} Daytime (07:00 - | VDV m/s ^{1.75} Night time (23:00 – | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | L_{pASmax} | 23:00) | 07:00) | in VDV | Nun impi repr | Тур | Type | Rece | Exis [.] envi | Unic | Corr imp | Miti | Sign |
| | (Shopping) | | | | | | | | | | | | | |
| 621714 | North Bridge House School, Gloucester Avenue, London, (School) | 19 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621720 | Prince Albert Road, London, (Office) | 5 | 0.01 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621720 | Nursery, Prince Albert Road, London, (Nursery) | 5 | 0.01 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621736 | Parkway, London, (General Commercial) | 10 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621736 | Parkway, London, (General Commercial) | 10 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621736 | Parkway, London, (General Commercial) | 10 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621739 | Parkway, London, (Shopping) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621739 | Parkway, London, (Restaurant) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621739 | Novas Gallery, Parkway, London, (Art Gallery) | 3 | 0.02 | 0.01 | - | 1 | В | G ₃ /V ₃ | Т | - | - | - | - | |
| 621739 | Parkway, London, (General Commercial) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621739 | Parkway, London, (General Commercial) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621742 | Parkway, London, (Estate Agency) | 11 | 0.03 | 0.01 | - | 5 | В | G4/V3 | Т | - | - | - | - | |
| 621742 | Parkway, London, (General | 11 | 0.03 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |

| | | Impact criteria | a | | | Significance | e criteri | a | | | | | | + |
|----------|--|------------------------------------|--|---|------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|--------------------|-------------------------|--------------------|
| Assessme | nt location | Ground- borne sound level dB | VDV m/s ^{1.75} Daytime (07:00 - | VDV m/s ^{1.75} Night time (23:00 – | % increase or decrease | Number of impacts represented | Type of effect | e of ptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | L _{pASmax} | 23:00) | 07:00) | in VDV | Num impa repre | Туре | Type of receptor | Recepto design | Exist | Unig | Com impa | Mitig | Sign |
| | Commercial) | | | | | | | | | | | | | |
| 621743 | Parkway, London, (General Commercial) | 6 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621743 | Parkway, London, (General Commercial) | 6 | 0.02 | 0.01 | - | 2 | В | G4/V3 | Т | - | - | - | - | |
| 621745 | Parkway, London, (General Commercial) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621745 | Parkway, London, (General Commercial) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621745 | Parkway Dental Care, Parkway, London, (Dental Surgery) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V2 | Т | - | - | - | - | |
| 621745 | Parkway, London, (General Commercial) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621745 | Parkway, London, (General Commercial) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621745 | Parkway, London, (Café) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621745 | Parkway, London, (General Commercial) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621745 | Parkway, London, (Shopping) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621745 | Parkway, London, (General Commercial) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621745 | Parkway, London, (General Commercial) | 3 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621749 | Gloucester Crescent, London, (Office) | 3 | 0.01 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |

| | | Impact criteria | 9 | | | Significance | e criteria | a | | | | | | # |
|----------|--|------------------------------------|--|---|------------------------|-------------------------------------|----------------|--------------------------------|--------------------|-------------------------|----------------|--------------------|-------------------------|--------------------|
| Assessme | ent location | Ground- borne sound level dB | VDV m/s ^{1.75} Daytime (07:00 - | VDV m/s ^{1.75} Night time (23:00 – | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | L _{pASmax} | 23:00) | 07:00) | in VDV | Nur imp repi | Тур | Typ | Rec | Exis env | U | O. imp | Mit | Sign |
| 621753 | Oval Road, London, (General Commercial) | 8 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621763 | Gloucester Avenue, London, (General Commercial) | 19 | 0.04 | 0.02 | - | 5 | В | G4/V3 | Т | - | - | - | - | |
| 621767 | Centric Close, Oval Road, London, (General Commercial) | 8 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621767 | Centric Close, Oval Road, London, (General Commercial) | 8 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621767 | Centric Close, Oval Road, London, (Shopping) | 8 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621767 | Centric Close, Oval Road, London, (General Commercial) | 8 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621768 | Cecil Sharp House, Regents Park Road, London, (Hall) | 7 | 0.02 | 0.01 | - | 1 | В | G ₃ /V ₃ | Т | - | - | - | - | |
| 621769 | Indigo Film & Television, Oval Road, London, (Television Studio) | 8 | 0.02 | 0.01 | - | 10 | В | G2/V3 | Т | - | - | - | - | |
| 621809 | Gloucester Avenue, London, (Office) | 17 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621812 | Gloucester Avenue, London, (General Commercial) | 14 | 0.03 | 0.01 | - | 2 | В | G4/V3 | Т | - | - | - | - | |
| 621812 | Gloucester Avenue, London, (Shopping) | 14 | 0.03 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621812 | Gloucester Avenue, London, (General Commercial) | 14 | 0.03 | 0.01 | - | 2 | В | G4/V3 | Т | - | - | - | - | |

| | | Impact criteria | 9 | | | Significance | e criteria | a | | | | | | + |
|----------|--|------------------------------------|--|---|------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessme | nt location | Ground- borne sound level dB | VDV m/s ^{1.75} Daytime (07:00 - | VDV m/s ^{1.75} Night time (23:00 – | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Jnique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | L _{pASmax} | 23:00) | 07:00) | in VDV | Nur imp repr | Тур | Тур | Rec desi | Exis | Unic | Con | Miti effe | Sign |
| 621812 | Gloucester Avenue, London, (General Commercial) | 14 | 0.03 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621812 | Gloucester Avenue, London, (General Commercial) | 14 | 0.03 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621813 | Edis Street, London, (General Commercial) | 10 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621820 | Gloucester Avenue, London, (General Commercial) | 22 | 0.05 | 0.02 | - | 2 | В | G4/V3 | Т | - | - | - | - | |
| 621821 | The Courtyard, Gloucester Avenue, London, (General Commercial) | 21 | 0.04 | 0.02 | - | 6 | В | G4/V3 | Т | - | - | - | - | |
| 621821 | The Courtyard, Gloucester Avenue, London, (General Commercial) | 21 | 0.04 | 0.02 | - | 3 | В | G4/V3 | Т | - | - | - | - | |
| 621821 | The Courtyard, Gloucester Avenue, London, (General Commercial) | 21 | 0.04 | 0.02 | - | 3 | В | G4/V3 | Т | - | - | - | - | |
| 621822 | Gloucester Avenue, London, (General Commercial) | 11 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621825 | Utopia Village, Chalcot Road, London, (Research) | 7 | 0.02 | 0.01 | - | 22 | В | G4/V3 | Т | - | - | - | - | |
| 621834 | Gloucester Avenue, London, (General Commercial) | 18 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621854 | Berkeley Works, Berkley Grove, London, (General Commercial) | 7 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621860 | Regents Park Road, London, (General Commercial) | 11 | 0.03 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |

| | | Impact criteria | | | | Significance criteria | | | | | | | | +: |
|---------------------|--|---|---|---|------------------------|-------------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|-----------------|-------------------------|--------------------|
| Assessment location | | Ground- borne sound level dB L _{pASmax} | VDV m/s ^{1.75} Daytime (07:00 - 23:00) | VDV m/s ^{1.75} Night time (23:00 – 07:00) | % increase or decrease | Number of impacts represented | Type of effect | Type of receptor | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | □ pASmax | 25.00) | 07.007 | in VDV | Z E g | È | T _y | Re de | Ex |) | <u>8 .E</u> | Mi | Si |
| 621861 | Regents Park Road, London, (General Commercial) | 11 | 0.03 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621862 | Leeder House, Erskine Road, London, (General Commercial) | 10 | 0.03 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621863 | Regents Park Road, London, (Surgery) | 8 | 0.02 | 0.01 | - | 1 | В | G4/V2 | Т | - | - | - | - | |
| 621863 | Regents Park Road, London, (Restaurant) | 8 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621863 | Regents Park Road, London, (General Commercial) | 8 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621863 | Regents Park Road, London, (Office) | 8 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621863 | Regents Park Road, London, (General Commercial) | 8 | 0.02 | 0.01 | - | 2 | В | G4/V3 | Т | - | - | - | - | |
| 621863 | Leeder House, Erskine Road, London, (Office) | 8 | 0.02 | 0.01 | - | 4 | В | G4/V3 | Т | - | - | - | - | |
| 621865 | Leeder House, Erskine Road, London, (General Commercial) | 7 | 0.02 | 0.01 | - | 2 | В | G4/V3 | Т | - | - | - | - | |
| 621867 | Regents Park Road, London, (General Commercial) | 20 | 0.05 | 0.02 | - | 2 | В | G4/V3 | Т | - | - | - | - | |
| 621868 | Regents Park Road, London, (Shopping) | 15 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621871 | Gloucester Avenue, London, (Office) | 20 | 0.04 | 0.02 | - | 43 | В | G4/V3 | Т | - | - | - | - | |
| 621871 | Gloucester Avenue, London, | 20 | 0.04 | 0.02 | - | 4 | В | G4/V3 | Т | - | - | - | - | |

| | | Impact criteria | | | | Significance | criteri | a | | | | | | |
|----------|---|---------------------|--|---|--------------------|-------------------------------|----------------|---------------------|--------------------|-------------------------|----------------|--------------------|-------------------------|--------------------|
| Assessme | Assessment location | | VDV m/s ^{1.75} Daytime (07:00 - | VDV m/s ^{1.75} Night time (23:00 – | % increase or | of ted | Type of effect | | Receptor design | Existing environment | Unique feature | Combined impact | Mitigation of effect | Significant effect |
| ID | Area represented | L _{pASmax} | 23:00) | 07:00) | decrease in VDV | Number impacts represen | Туре | Type of receptor | Rece desi | Exist | Unig | Com impa | Mitig | Sign |
| | (Shopping) | | | | | | | | | | | | | |
| 621872 | Primrose Hill Veterinary Clinic, Gloucester Avenue, London, (Veterinary Surgery) | 17 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621872 | Gloucester Avenue, London, (Office) | 17 | 0.03 | 0.02 | - | 2 | В | G4/V3 | Т | - | - | - | - | |
| 621872 | Gloucester Avenue, London, (General Commercial) | 17 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621872 | Gloucester Avenue, London, (Factory) | 17 | 0.03 | 0.02 | - | 1 | В | G4/V4 | Т | - | - | - | - | |
| 621872 | Gloucester Avenue, London, (General Commercial) | 17 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621872 | Gloucester Avenue, London, (General Commercial) | 17 | 0.03 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621873 | Gloucester Avenue, London, (General Commercial) | 17 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621874 | Gloucester Avenue, London, (Office) | 22 | 0.05 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621874 | Gloucester Avenue, London, (General Commercial) | 22 | 0.05 | 0.02 | - | 1 | В | G4/V3 | Т | 1 | - | - | - | |
| 621889 | Iron Bridge House, Bridge Approach, London, (Office) | 11 | 0.03 | 0.01 | - | 7 | В | G4/V3 | Т | - | - | - | - | |
| 621896 | Adelaide Road, London, (General Commercial) | 8 | 0.02 | 0.01 | - | 1 | В | G4/V3 | Т | - | - | - | - | |
| 621906 | Regents Park Road, London, (Research) | - | 0.02 | 0.01 | - | 10 | В | G4/V3 | Т | - | - | - | - | |

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| Assessment location | | Impact criteria | | | | Significance criteria | | | | | | | +- | |
|---------------------|--|--|----------|--------------------------|---------------------|-------------------------|-----------|-------|------------------|---------------|------------|--------------|---------------|-------------|
| | | Ground- borne sound level dB VDV m/s ^{1.75} Daytime (07:00 - | <u> </u> | VDV m/s ^{-/3} i | % increase or | ber of cts sented | of effect | _ | otor n | ing onment | Je feature | oined ct | ation of t | ficant effe |
| ID | Area represented | L_{pASmax} | 23:00) | 07:00) | decrease in VDV | Numł impac repre | Туре | Туре | Recepi design | Exist | Uniq | Coml impa | Mitiga | Signi |
| 700452 | Englands Lane, London, (General Commercial) | 18 | 0.04 | 0.02 | - | 1 | В | G4/V3 | Т | - | - | - | - | |

Impact summary

4.3.3 The operational ground-borne noise and vibration impacts identified in Table 1 are summarised in Table 2.

Table 2: Summary of operational ground-borne noise and vibration impacts

| | Number of | Number of ground-borne noise impacts | | | | | | | | |
|----------------------------|-----------|--|---|-------------------------|--|--|--|--|--|--|
| | Low | Low Medium Hig | | Very High | | | | | | |
| Residential properties | 0 | 0 | 0 | 0 | | | | | | |
| Non-residential properties | 0 | | 0 | | | | | | | |
| | Number of | Number of ground-borne vibration impacts | | | | | | | | |
| | Minor | Minor Moderate | | Risk of building damage | | | | | | |
| Residential properties | o | О | 0 | 0 | | | | | | |

Airborne sound: direct impacts and effects

4.3.4 The route is in tunnel through this study area and therefore no operational airborne noise assessment has been undertaken.

4.4 Assessment of impacts and effects

Residential receptors: direct effects

4.4.2 The assessment of operational noise and vibration indicates that significant direct effects on residential receptors are unlikely to occur in this area.

Residential receptors: indirect effects

- The transport assessment presented in Volume 5: Appendix TR-001-000, has been used to identify those roads or railways within this study area where the alignment remains as at present, but a change in flow or composition is identified which is greater than the screening criteria defined in Volume 5: Appendix SV-001-000. No roads or railways which exceed the criteria defined in Volume 5: Appendix SV-001-000 have been identified in this study area.
- 4.4.4 The assessment of operational noise and vibration indicates that significant indirect effects on residential receptors are unlikely to occur in this area.

Non-residential receptors: direct effects

4.4.5 The assessment of operational noise and vibration indicates that significant direct effects on non-residential receptors are unlikely to occur in this area.

Non-residential receptors: indirect effects

- 4.4.6 The transport assessment presented in Volume 5: Appendix TR-001-000, has been used to identify those roads or railways within this study area where the alignment remains as at present, but a change in flow or composition is identified which is greater than the screening criteria defined in Volume 5: Appendix SV-001-000. No roads or railways which exceed the criteria defined in Volume 5: Appendix SV-001-000 have been identified in this study area.
- 4.4.7 The assessment of operational noise and vibration indicates that significant indirect effects are unlikely to occur on non-residential receptors in this area.

Cumulative effects

Details of properties being currently developed which were afforded planning approval before the safeguarding date are presented in Volume 5: Appendix CToo4-ooo. Within this area, the operational sound, noise or vibration associated with these developments in conjunction with the operation of the Proposed Scheme do not result in any significant cumulative effects.